

controlling of said one or more processors to generate at least some of a video or audio signal based on a first portion of said communicated processor code;

controlling said one or more processors to communicate to an output device said generated at least some of a video or audio signal based on a second portion of said communicated processor code; and

outputting at least a portion of said program or program segment in accordance with said processor code.

130. (New Claim) The method of claim 129, wherein said information transmission contains a multichannel broadcast or cablecast signal, said method further comprising the step of controlling a converter to select a signal containing at least one of said first portion and said second portion.

131. (New Claim) The method of claim 129, wherein said information transmission contains a television or radio signal, said method further comprising the step of controlling a decoder to select a portion of said television or radio signal.

132. (New Claim) The method of claim 129, further comprising the step of controlling a device to vary the size of a portion of said information transmission selected for processing.

133. (New Claim) The method of claim 129, wherein said program or program segment contains digital video or audio, said method further comprising the steps of:

directing at least some of said first portion and said second portion to a video storage or output device; and

directing at least some of said first portion and said second portion to an audio storage or output device.

134. (New Claim) The method of claim 129, further comprising the steps of:

storing subscriber data;

generating output information content to complete or supplement said program or program segment by processing said stored subscriber data; and

outputting said generated output information content.

135. (New Claim) The method of claim 129, further comprising the step of generating at least some of a television signal by processing information directed to said one or more processors.

136. (New Claim) The method of claim 129, further comprising the step of clearing one or more output memory locations at said output device based on at least one control signal, wherein said output device includes one of a video storage or output device, and an audio storage or output device.

137. (New Claim) The method of claim 129, wherein said processor code includes a portion or segment which operates to execute a controlled function, said method further comprising the step of comparing said portion or segment to controlled function identification information, said controlled function

identification information being organized to execute said controlled function when identified by said portion or segment.

138. (New Claim) The method of claim 129, further comprising the step of programming said receiver station to execute a controlled function in response to said at least one control signal.

139. (New Claim) A method of processing signals at a receiver station, comprising the steps of:

- (1) receiving an information transmission at a transmission station, said information transmission containing a program or program segment and processor code;
- (2) generating at least one control signal, said at least one control signal effective to cause said receiver station to select said processor code, generate at least some portion of a video or audio signal based on a first portion of said processor code, communicate to an output device said at least some portion of a video or audio signal based on a second portion of said processor code, and output said program or program segment in accordance with said processor code; and
- (3) transmitting said information transmission and said at least one control signal.

140. (New Claim) A method of processing signals to generate at least one control signal, comprising the steps of:

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- (1) receiving an information transmission containing a program or program segment and processor code, said information transmission to be transmitted;
  - (2) receiving an instruct signal which is effective to accomplish one of:
    - (a) effecting a transmission station to generate said at least one control signal, said at least one control signal effective to cause said receiver station to select said processor code, generate at least some portion of a video or audio signal based on a first portion of said processor code, communicate to an output device said at least some portion of a video or audio signal based on a second portion of said processor code, and output said program or program segment in accordance with said processor code; and
    - (b) effecting a receiver station to generate said at least one control signal, said at least one control signal effective to cause said receiver station to select said processor code, generate at least some portion of a video or audio signal based on a first portion of said processor code, communicate to an output device said at least some portion of a video or audio signal based on a second portion of said processor code, and output said program or program segment in accordance with said processor code;
  - (3) receiving a transmitter control signal which operates at an intermediate transmission station to communicate one of said instruct signal and said at least one control signal to a transmitter; and
  - (4) transmitting said information transmission, said instruct signal and said transmitter control signal.

141. (New Claim) A method of processing signals at a receiver station, said method comprising the steps of:

receiving an information transmission containing processor code and at least one segment containing at least a first of video information and graphic information;

communicating at least one of at least one video image and at least one graphic image to an output device based on said at least one segment containing said at least said first of said video information and said graphic information;

detecting said processor code;

passing said detected processor code to at least one processor;

generating information content of at least a second of video information and graphic information by processing receiver specific data in accordance with said processor code; and

outputting at least one of a combined presentation and a sequential presentation of said at least one of said at least one video image and said at least one graphic image with said generated information content of at least said second of said video information and said graphic information.

142. (New Claim) The method of claim 141, wherein said information transmission contains one of a multichannel broadcast signal and a multichannel cablecast signal, said method further comprising the step of:

controlling a converter to select a portion of said one of said multichannel broadcast signal and said multichannel cablecast signal, wherein said selected

portion contains at least one of said processor code and said at least one segment containing one of video information and graphic information.

143. (New Claim) The method of claim 141, wherein said information transmission contains at least one of a television signal and a radio signal, said method further comprising the step of:

controlling a decoder to select a portion of said at least one of said television signal and said radio signal, wherein said selected portion contains at least one of said processor code and said at least one segment containing one of video information and graphic information.

144. (New Claim) The method of claim 141, wherein said receiver station searches a specific portion of said information transmission to detect said processor code, said method further comprising the step of:

varying one of the size and location of the specific portion searched in said information transmission.

145. (New Claim) The method of claim 141, wherein said at least one of said combined presentation and said sequential presentation is outputted at a television monitor or in television programming, said method further comprising the steps of:

selecting a portion of said information transmission containing audio; and  
directing said selected audio to one of an audio storage device and an audio output device.

146. (New Claim) The method of claim 141, wherein said receiver specific data processed in accordance with said processor code is subscriber data inputted in response to at least one of:

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- (1) television programming; and
  - (2) at least one of a combined presentation and a sequential presentation of:
    - (a) at least one of a first received video image and a first received graphic image; and
    - (b) locally generated at least one of first video information and first graphic information.

147. (New Claim) The method of claim 141, further comprising the step of:

generating at least a portion of a television signal by processing information directed to said at least one processor.

148. (New Claim) The method of claim 141, further comprising the step of:

clearing at least a portion of an output memory location in accordance with said processor code.

149. (New Claim) The method of claim 141, wherein said processor code includes one of a portion and a segment which operates to execute a controlled function, said method further comprising the step of:

comparing said one of said portion and said segment to the controlled function invoking information.

150. (New Claim) The method of claim 141, further comprising the step of:

programming said receiver station to execute a controlled function in response to at least one control signal detected in said information transmission.

151. (New Claim) The method of claim 141, wherein said generated one of said video information and said graphic information includes a plurality of at least one of receiver specific video data and receiver specific graphic data, said method further comprising the step of:

outputting a series of at least one of combined presentations and sequential presentations of:

- (a) one of first video images and first graphic images; and
- (b) said plurality of said at least one of receiver specific video data and receiver specific graphic data.

152. (New Claim) The method of claim 151, further comprising the steps of:

detecting a plurality of control signals in said information transmission;  
and



outputting at least a portion of at least two of said series of said at least one of combined presentations and sequential presentations in response to said detected plurality of control signals.

153. (New Claim) The method of claim 141, further comprising the step of storing information evidencing said step of passing.

154. (New Claim) The method of claim 153, further comprising the step of outputting said at least one of said video information and said graphic information based on said step of storing.

155. (New Claim) The method of claim 153, further comprising the step of:

one of restoring efficient operation and correcting an error based on said step of storing.

156. (New Claim) The method of claim 141, wherein said step of processing comprises computing a value and said step of generating comprises producing said information content based on said value.

157. (New Claim) The method of claim 156, wherein producing said information content comprises producing said value.

158. (New Claim) A method of processing signals, said method comprising the steps of:

receiving, at a transmitter station, an information transmission containing processor code and at least one segment containing at least one of video information and graphic information; and

transmitting said information transmission to cause a receiver station to generate information content of at least one image and to output at least one of a combined presentation and a sequential presentation of said generated information content of at least one image and said at least one of said video information and said graphic information.

159. (New Claim) The method of claim 158, further comprising the step of generating at least a portion of one of (i) said processor code and (ii) said at least one of said video information and said graphic information by processing data stored in a computer at said transmitter station.

160. (New Claim) The method of claim 159, wherein one of said steps of transmitting and generating is performed in accordance with a schedule, said method further comprising the step of storing said schedule.

161. (New Claim) The method of claim 158, wherein said information transmission contains a television signal, said method further comprising the steps of:

generating a first portion of said television signal by processing data stored in a computer at said transmitter station; and

incorporating said first portion of said television signal into said information transmission.

162. (New Claim) The method of claim 161, further comprising the step of receiving a second portion of said television signal at a signal generator.

163. (New Claim) The method of claim 161, further comprising the step of storing a second portion of said television signal before performing said step of incorporating.

164. (New Claim) The method of claim 158, wherein at least a portion of one of (i) said processor code and (ii) said at least one of said video information and said graphic information is stored at a memory, said method further comprising the steps of:

detecting a control signal; and

outputting said at least said portion of said one of (i) said processor code and (ii) said at least one of said video information and said graphic information from said memory in response to said control signal.

165. (New Claim) The method of claim 164, wherein said control signal is detected in said information transmission.

166. (New Claim) The method of claim 164, further comprising the step of storing said control signal.

167. (New Claim) The method of claim 158, further comprising the step of transmitting an instruction with executes said processor code at said receiver station.

168. (New Claim) The method of claim 167, further comprising the step of composing a message containing said instruction and one of said processor code and said at least one segment.

169. (New Claim) A method of processing signals, said method comprising the steps of:

receiving an information transmission to be transmitted from at least one transmitter, said information transmission containing at least one segment containing at least one of video information and graphic information;

receiving at least one instruct signal which is effective to accomplish one of:

(a) effecting a transmitter station to generate processor code, at least one of said transmitter station and a receiver station to generate at least one image, and said receiver station to output at least one of a combined presentation and a sequential presentation of said at least one image and said at least one of said video information and said graphic information; and

(b) effecting at least one of a transmitter station and a receiver station to generate processor code, generate at least one image, and output

at least one of a combined presentation and a sequential presentation of  
said at least one image and said at least one of said video information and  
said graphic information;

receiving a transmitter control signal which operates to communicate at  
least one of said at least one segment, said at least one instruct signal, said  
processor code, and said at least one of said combined presentation and said  
sequential presentation from said at least one transmitter; and

transmitting said information transmission, said at least one instruct  
signal, and said transmitter control signal.

170. (New Claim) The method of claim 169, wherein said step of  
transmitting directs said at least one instruct signal to a plurality of transmitter  
stations and causes said plurality of transmitter stations to retransmit said  
information transmission one of (i) at different times and (ii) with content which  
differs at different ones of said plurality of transmitter stations.

171. (New Claim) The method of claim 170, wherein said transmitter  
control signal causes each of said plurality of transmitter stations to embed a  
portion of said content in said information transmission.

172. (New Claim) The method of claim 169, wherein said information  
transmission includes audio programming.

173. (New Claim) The method of claim 172, wherein said audio  
programming is contained in television programming.

174. (New Claim) The method of claim 169, wherein said transmitter control signal includes a schedule.

175. (New Claim) A method of processing signals at a receiver station, said method comprising the steps of:

receiving an information transmission containing processor code and at least one segment containing at least a first of video information and graphic information;

communicating at least one of at least one video image and at least one graphic image to an output device based on said at least one segment containing said at least said first of said video information and said graphic information;

detecting said processor code;

passing said detected processor code to at least one processor;

constructing information content of at least a second of video information and graphic information by calculating receiver specific data in accordance with said processor code; and

outputting at least one of a combined presentation and a sequential presentation of said at least one of said at least one video image and said at least one graphic image with said generated information content of at least said second of said video information and said graphic information.

176. (New Claim) The method of claim 175, wherein said step of constructing comprises the step of placing data at a memory in a pattern.

177. (New Claim) The method of claim 176, wherein said step of placing is based on one of an origin and a scalar dimension.

178. (New Claim) The method of claim 175, wherein said step of calculating comprises the steps of:

accumulating a sum; and

determining a value based on said step of accumulating.

179. (New Claim) The method of claim 178, wherein said step of constructing comprises storing said value at a memory.

180. (New Claim) The method of claim 179, wherein said step of outputting comprises producing said value in said at least one of said combined presentation and said sequential presentation.

181. (New Claim) The method of claim 175, wherein said step of outputting is performed in response to a control signal, said method further comprising the step of passing said control signal to said at least one processor.

182. (New Claim) The method of claim 181, further comprising the step of detecting said control signal in said information transmission.